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(57) **ABSTRACT**

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A coordinate calculation apparatus calculates a coordinate point representing a position on a display screen based on an orientation of an input device. The coordinate calculation apparatus includes direction acquisition means, orientation calculation means, first coordinate calculation means, and correction means. The direction acquisition means acquires information representing a direction of the input device viewed from a predetermined position in a predetermined space. The orientation calculation means calculates the orientation of the input device in the predetermined space. The first coordinate calculation means calculates a first coordinate point for determining the position on the display screen based on the orientation of the input device. The correction means corrects the first coordinate point such that the first coordinate point calculated when the input device is directed in a predetermined direction takes a predetermined reference value.

